

**What Is Claimed Is:**

1           1.     A motor rotor adapted to be used in a fan, comprising:  
2           a hub;  
3           a metal plate having a first end and a second end to be  
4           disposed in the hub; and  
5           a magnet disposed in the metal plate.

1           2.     The motor rotor as claimed in claim 1, wherein the hub  
2           is ring-shaped and has a flange extending toward the center of  
3           the hub to support the metal plate.

1           3.     The motor rotor as claimed in claim 2, wherein the  
2           metal plate further comprises a serrated edge to support the  
3           magnet.

1           4.     The motor rotor as claimed in claim 3, wherein the  
2           metal plate is ring-shaped, and the serrated edge contacts an  
3           inner surface of the flange.

1           5.     The motor rotor as claimed in claim 1, wherein at least  
2           one blade is disposed at the exterior periphery of the hub.

1           6.     The motor rotor as claimed in claim 1, wherein the  
2           first and second ends are engaged together to form an occlusive  
3           seam to shape the metal plate as a ring.

1           7.     The motor rotor as claimed in claim 1, wherein the  
2           metal plate further comprises salient teeth, and the hub has a  
3           recess engaging the salient teeth to shape the metal plate as  
4           a ring.

1           8.    The motor rotor as claimed in claim 1, wherein the  
2    surface of the metal plate has a pressure generating pattern to  
3    provide a stress and increase a friction between the metal plate  
4    and the hub.

1           9.    A method of manufacturing a motor rotor, comprising:  
2    providing a metal plate having a first end and a second end;  
3    connecting the first and second ends to shape the metal  
4    plate as a ring;  
5    placing the metal plate in a hub; and  
6    placing a magnet in the metal plate.

1           10.   The method as claimed in claim 9, wherein the hub is  
2    ring-shaped and has a flange extending toward the center of the  
3    hub to support the metal plate.

1           11.   The method as claimed in claim 10, wherein the metal  
2    plate further comprises a serrated edge to support the magnet.

1           12.   The method as claimed in claim 11, further comprising  
2    a step of bending the serrated edge to a predetermined angle.

1           13.   The method as claimed in claim 12, wherein the metal  
2    plate is ring-shaped, and the serrated edge contacts an inner  
3    surface of the flange.

1           14.   The method as claimed in claim 9, wherein the exterior  
2    periphery of the hub comprises at least one blade.

1           15.   The method as claimed in claim 9, wherein the first  
2    and second ends are engaged together to prevent separation  
3    thereof after bending the metal plate.

1           16. The method as claimed in claim 15, wherein the first  
2 end has a protrusion and the second end has a recess.

1           17. The method as claimed in claim 9, wherein the first  
2 and second ends have a salient tooth, respectively, and the hub  
3 has a recess, the salient teeth engaged with the recess to  
4 maintain the ring-shaped metal plate.

1           18. The method as claimed in claim 9, wherein the surface  
2 of the metal plate has a pressure generating pattern to provide  
3 a stress and increase a friction between the metal plate and the  
4 hub.

1           19. The method as claimed in claim 9, wherein the first  
2 and second ends are engaged together to form an occlusive seam  
3 to maintain the ring-shaped metal plate.